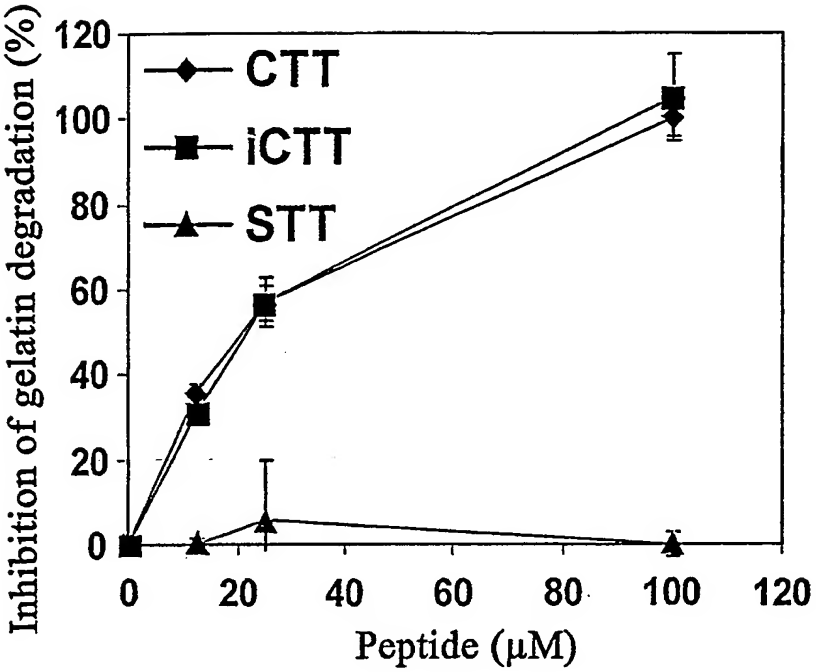
A



B

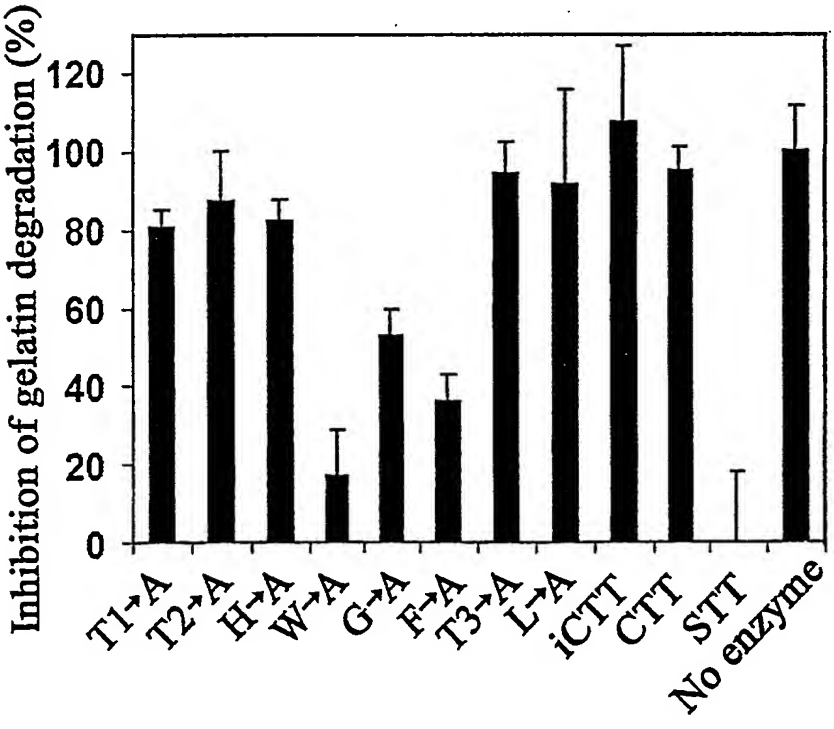


Figure 1A and 1B

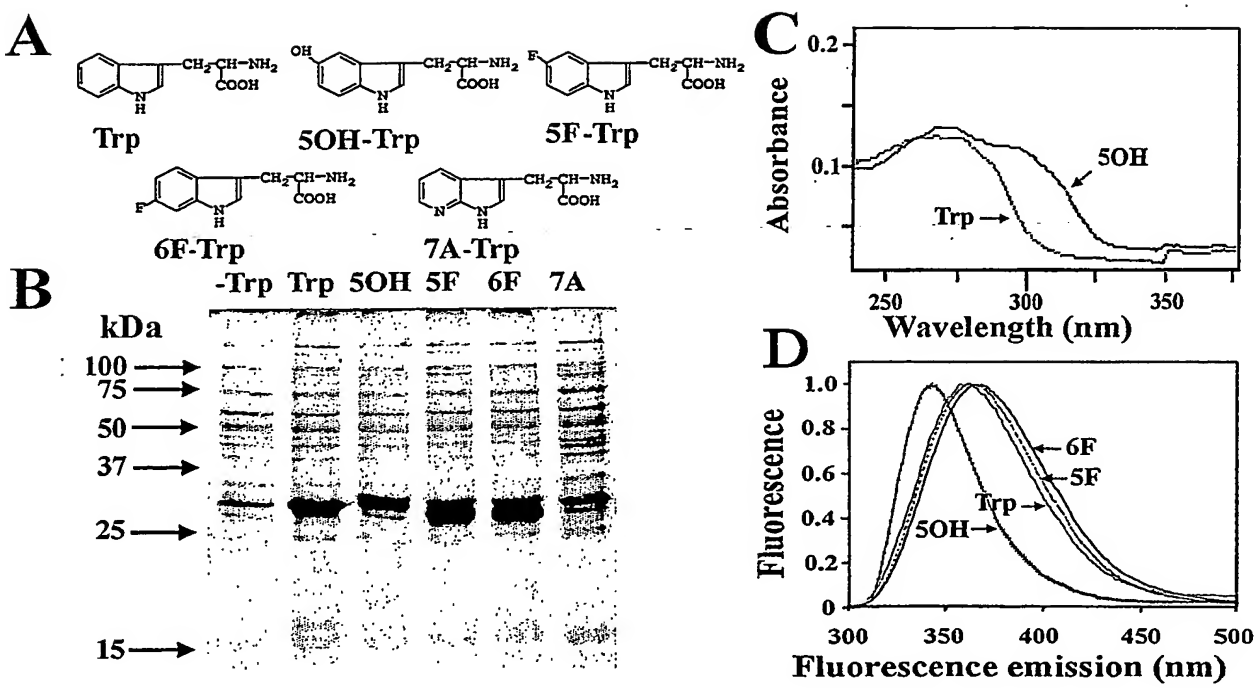


Figure 2A, 2B, 2C and 2D

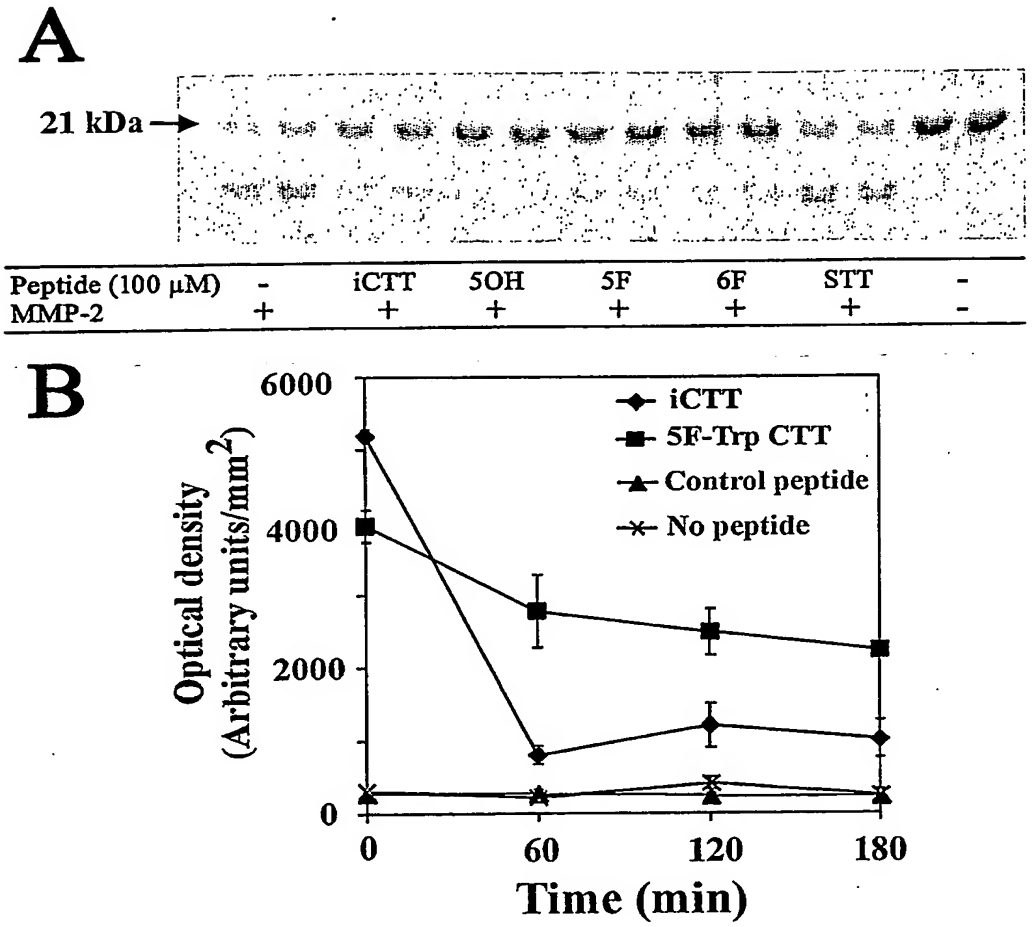


Figure 3A and 3B

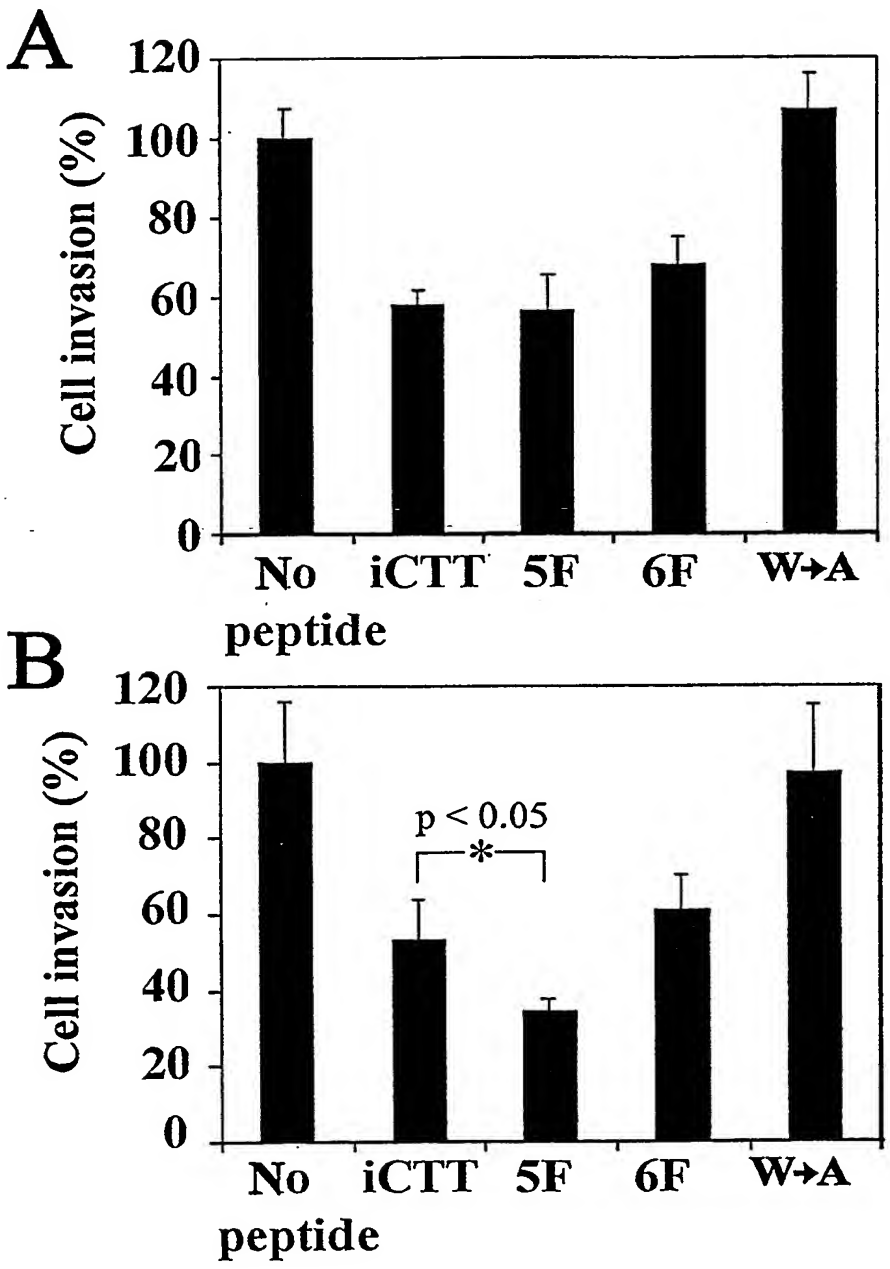


Figure 4A and 4B

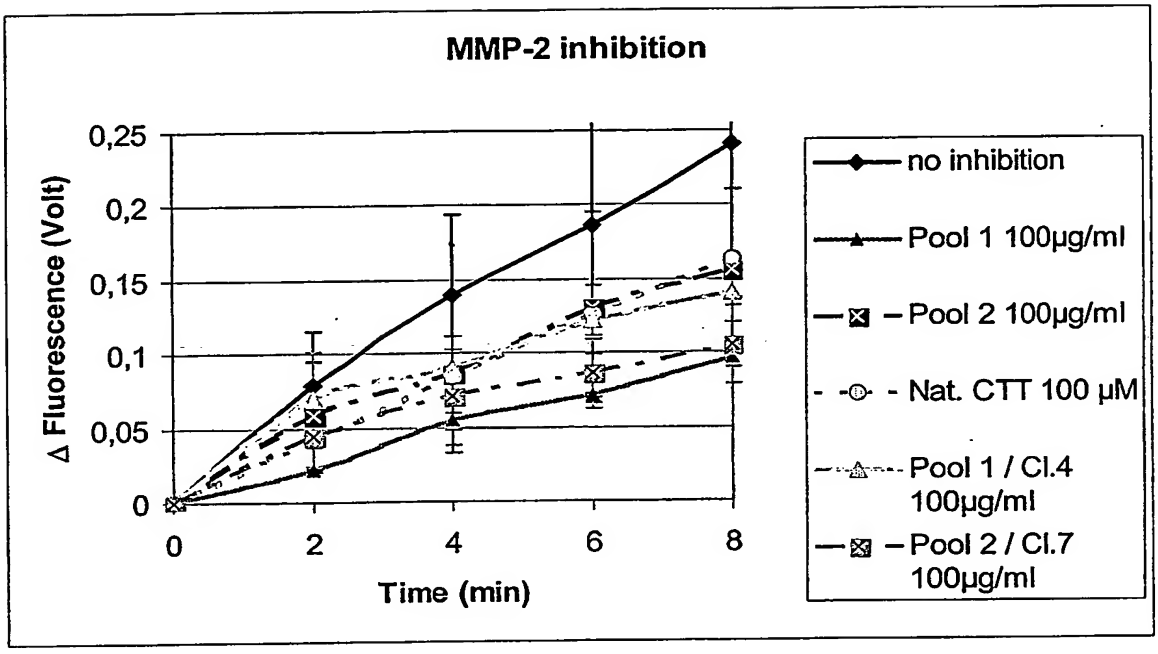

MMP-2 inhibition
Δ Fluorescence (Volt)
0,25
0,2
0,15
0,1
0,05
0
0
2
4
6
8
Time (min)
no inhibition
Pool 1 100µg/ml
Pool 2 100µg/ml
Nat. CTT 100 µM
Pool 1 / Cl.4 100µg/ml
Pool 2 / Cl.7 100µg/ml

Figure 5

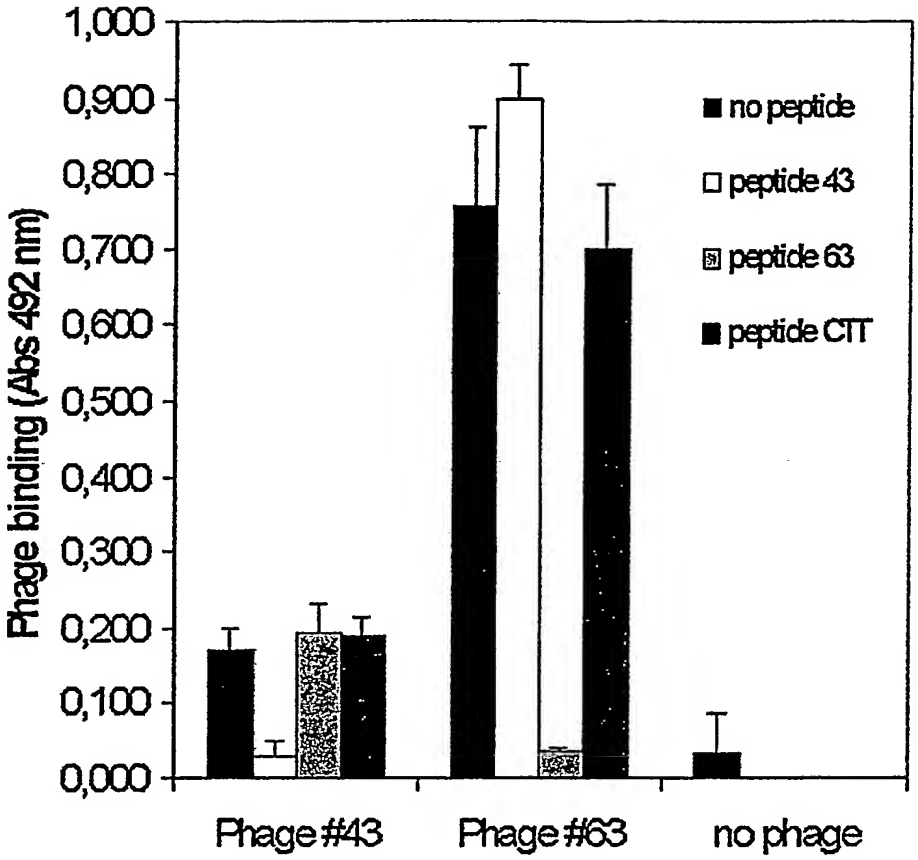

1,000
0,900
0,800
0,700
0,600
0,500
0,400
0,300
0,200
0,100
0,000
Phage binding (Abs 492 nm)
no peptide
peptide 43
peptide 63
peptide CTT
Phage #43
Phage #63
no phage

Figure 6

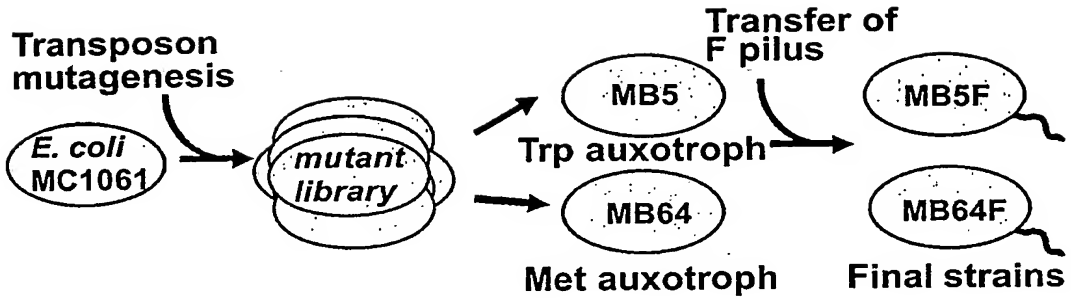

Transposon mutagenesis
E. coli MC1061
mutant library
MB5
Trp auxotroph
Transfer of F pilus
MB5F
MB64
Met auxotroph
MB64F
Final strains

Figure 7

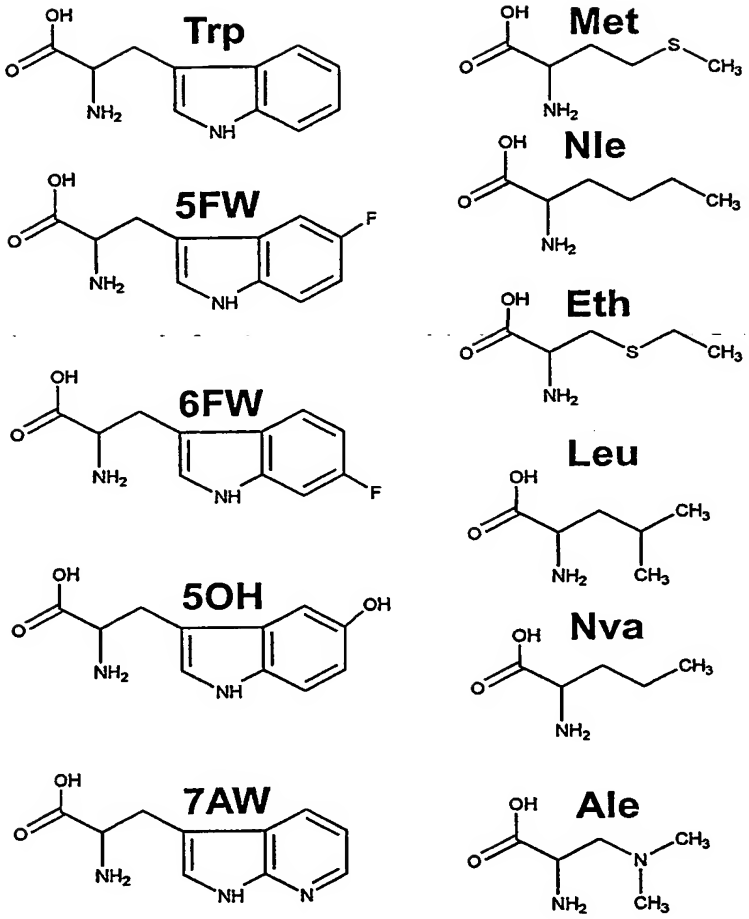


Figure 8

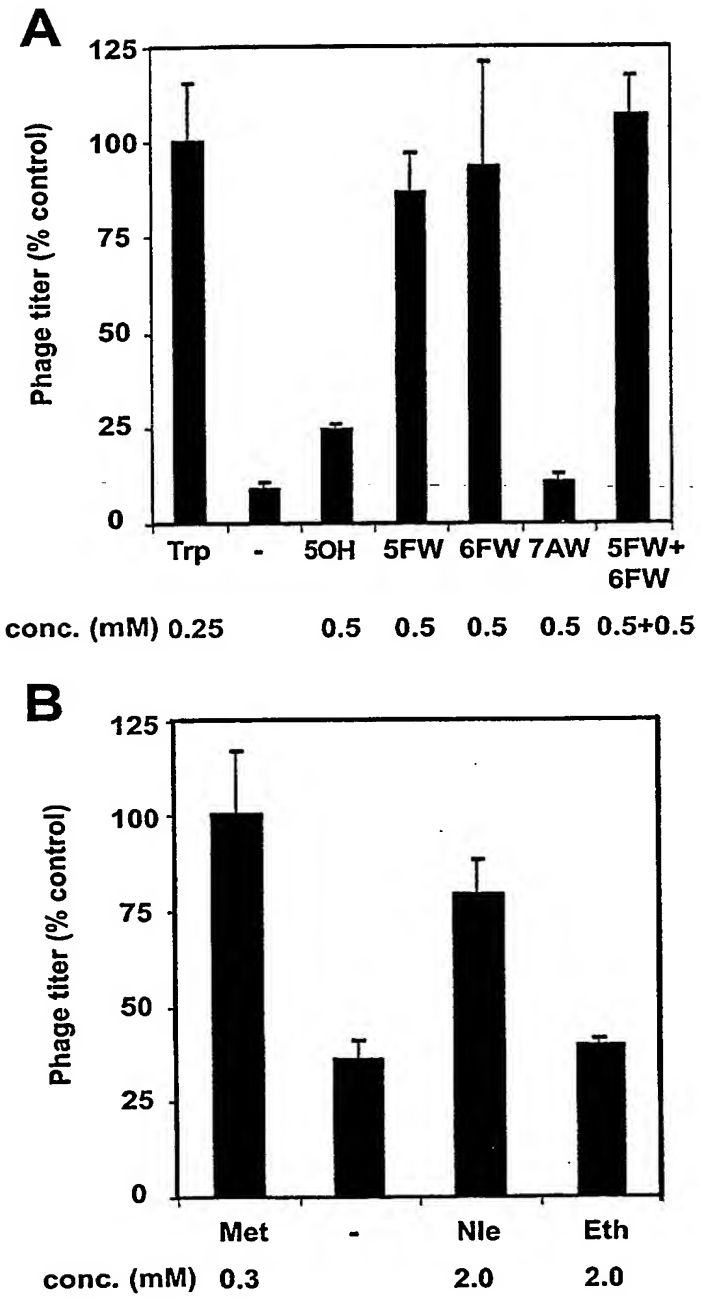


Figure 9A and 9B

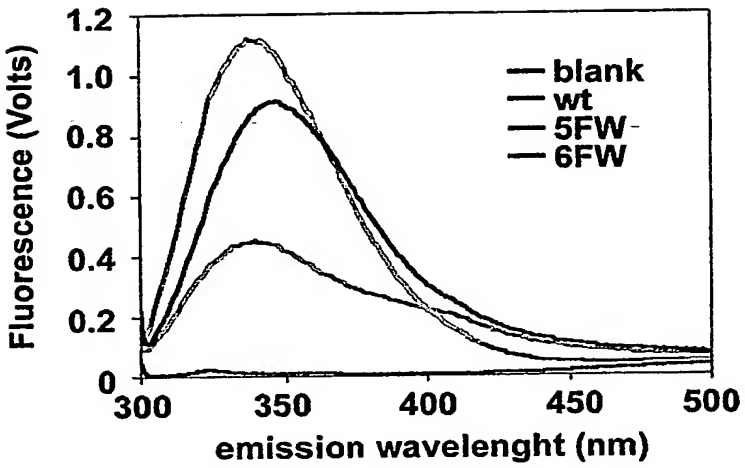

1.2
1.0
0.8
0.6
0.4
0.2
0
Fluorescence (Volts)
300
350
400
450
500
emission wavelenght (nm)
blank
wt
5FW
6FW

Figure 10

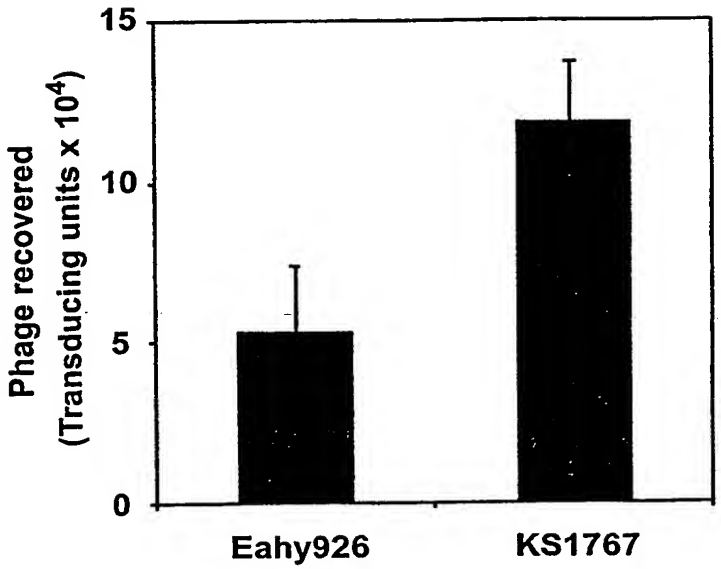

15
10
5
0
Phage recovered
(Transducing units x 10^4)
Eahy926
KS1767

Figure 11